

10/528612

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Dated: March 21, 2005

Signature:

*Mary Jane Djalma*  
(Mary Jane Djalma)

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Docket No.: ASZD-P01-837  
(PATENT)

#3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Butters et al.

Application No.: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Filed: March 21, 2005

Art Unit: Not Yet Assigned

For: PROCESS AND INTERMEDIATES FOR  
THE PREPARATION OF THIENOPYRROLE  
DERIVATIVES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Copies of the references on the PTO/SB/08 are not provided.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

10/528612

Application No.: Not Assigned


Ticket No.: ASZD-P01-837

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. ASZD-P01-837.

Dated: March 21, 2005

Respectfully submitted,

By 

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Registration No.: 44,735

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Attorneys/Agents For Applicant

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	Not Yet Assigned 10/528612
				Filing Date	March 21, 2005
				First Named Inventor	Michael Butters
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet 1 of 2	Attorney Docket Number	ASZD-P01-837			

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	BA	WO-94/18196 A	08-18-1994			
	BB	WO-02/06246 A	01-24-2002			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Adams et al., "4-Amino-4,5-dihydrothiophene-2-carboxylic acid," Journal of Organic Chemistry 50(15):2730-2736 (1985)	
	CB	Binder et al., "Thiophen als a Strukturelement physiologisch aktiver substanzen, 8. Mitt. 1H, 5H-Imidazo '1,2-althieno'3,4-d!pyrimidin - 2(3H)-one," Archiv der Pharmazie 314(6):556-564 (1981)	
	CC	Bjoerk et al., "Improved systhesis of thieno '2,3-bl-and '3,2-bl-fused naphthyrindines," Journal of Heterocyclic Chemistry 32(3):751-754 (1995)	
	CD	Boger et al., "Total synthesis of distamycin A and 2640 analogs: A solution-phase combinatorial approach to the discovery of new, bioactive DNA binding agents and development of a rapid high-throughput screen for determining relative DNA binding affinity or DNA binding sequence selectivity," Journal of the American Chemical Society 122(27):6382-6394 (2000)	
	CE	Brugier et al., ".alpha.-substituteion of .beta.-thienylcarbamates: alkylation, vinylation and Pd-catalyzed coupling reactions," Tetrahedron 56(19):2985-2993 (2000)	
	CF	Brugier et al., "Synthesis and ractivity of alkyl (4-amino-3-thienyl)carbamates," Tetrahedron 53(30):10331-10344 (1997)	
	CG	Brugier et al., "Studies on the reactivity of N-(3-thienyl)carbamates," Journal of the Chemical Society, Perkin Transactions 1 1:37-43 (2001)	
	CH	Brunnett et al., "Heterocyclic amines. IV. Urethan and urea derivatives of 3-aminothiophene," Journal of Heterocyclic Chemistry 5(3):417-418 (1968)	
	CI	Carroll et al., "Competitive ortho metalation effects: the kinetic and thermodynamic lithiation of 3-(tert-butoxycarbonyl)amino-4-carbomethox ythiophene," Tetrahedron Letters 38(15):2637-2640 (1997)	
	CJ	Galvez et al., "Synthesis of isomeric.beta.-haloethylthienopyrroles," Journal of Heterocyclic Chemistry 21(2):393-395 (1984)	
	CK	Galvez et al., "Synthesis of thiophenedicarbonyldiazides and di-t-butyl thiophendicarbamates," Journal of Heterocyclic Chemistry 23:1103-1108 (1986)	

Examiner Signature	Date Considered
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Substitute for form 1449A/B/PTO				Complete if known <b>107528612</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	Not Yet Assigned
				Filing Date	March 21, 2005
				First Named Inventor	Michael Butters
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	ASZD-P01-837

	CL	Kobayashi et al., "Heterocyclic sulfonyl compounds and activated blood coagulation factor X (FXa) inhibitors containing them," Database CA 'online' Chemical Abstracts Service, Database accession no. 135:313616 XP002267904 368442-47-1 and JP 2001 294572 A (2001)	
	CM	Marques et al., "Toward an understanding of the chemical etiology for DNA minor-groove recognition by polyamides," Helvetica Chimica Acta 85(12):4485-4517 (2002)	
	CN	Shinkwin et al., "Synthesis of thiophenecarboxamides, thieno '3,4-clpyridiin-4(5H)-ones and thieno '3,4-d!pyrimidin-4(3H)-ones and preliminary evaluation as inhibitors of poly(ADP-ribose)polymerase (PARP)," Bioorganic & Medicinal Chemistry 7(2):297-308 (1999)	
	CO	Soth et al., "Recherches en serie heterocyclique. XXIX. Sur des voies d'accès a des thieno, selenolo, furo et pyrrolopyrroles," Canadian Journal of Chemistry 56(6):1429-1434 (1978)	
	CP	Szabo et al., "Experimental and theoretical study of orientation in the nitration of dithieno '3,4-b:3',4'-d!pyridine," Journal of Organic chemistry 56(4):1590-1596 (1991)	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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